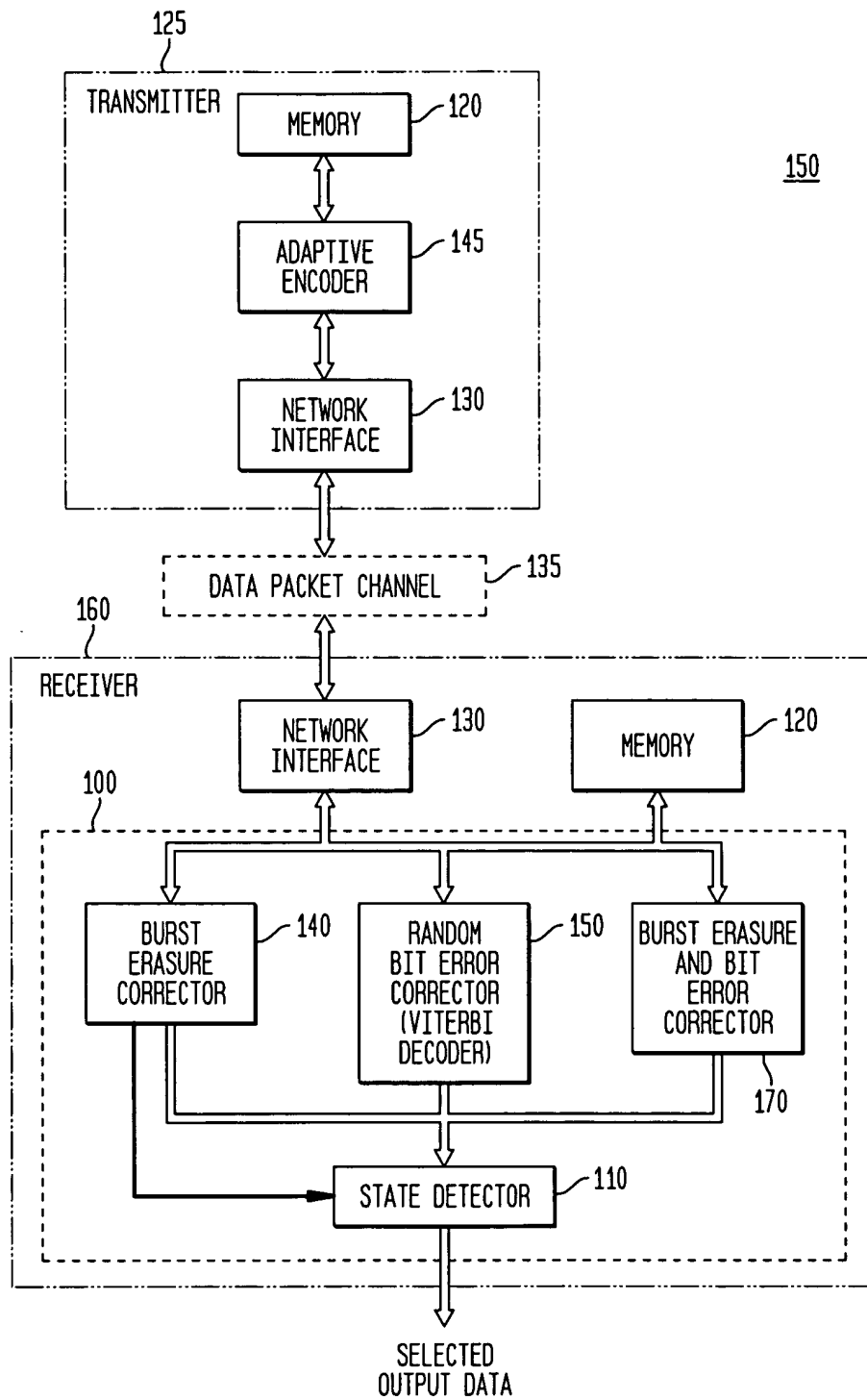




FIG. 1



**FIG. 2**

$\tilde{y}[i]=$	$x[i]$	$x[i-3]$
$\tilde{y}[i+1]=$	$x[i+1]$	$x[i-2]$
$\tilde{y}[i+2]=$	$x[i+2]$	$x[i-1]$
$\tilde{y}[i+3]=$	$x[i+3]$	$x[i]$
$\tilde{y}[i+4]=$	$x[i+4]$	$x[i+1]$
$\tilde{y}[i+5]=$	$x[i+5]$	$x[i+2]$
$\tilde{y}[i+6]=$	$x[i+6]$	$x[i+3]$
$\tilde{y}[i+7]=$	$x[i+7]$	$x[i+4]$

**FIG. 3**

$\tilde{y}[0]=$	$x_0[0]$	$x_1[0]$	$x_2[0]$	$0$
$\tilde{y}[1]=$	$x_0[1]$	$x_1[1]$	$x_2[1]$	$x_0[0]$
$\tilde{y}[2]=$	$x_0[2]$	$x_1[2]$	$x_2[2]$	$x_0[1] \oplus x_1[0]$
$\tilde{y}[3]=$	$x_0[3]$	$x_1[3]$	$x_2[3]$	$x_0[2] \oplus x_1[1] \oplus x_2[0]$
$\tilde{y}[4]=$	$x_0[4]$	$x_1[4]$	$x_2[4]$	$x_0[3] \oplus x_1[2] \oplus x_2[1]$

FIG. 4

$\hat{y}[0]=$	$x_0[0]$	$x_1[0]$	$x_2[0]$	0
$\hat{y}[1]=$	$x_0[1]$	$x_1[1]$	$x_2[1]$	$x_0[0]$
$\hat{y}[2]=$	$x_0[2]$	$x_1[2]$	$x_2[2]$	$x_0[1] \oplus x_1[0]$
$\hat{y}[3]=$	$x_0[3]$	$x_1[3]$	$x_2[3]$	$x_0[2] \oplus x_1[1] \oplus x_2[0]$
SYMBOL ERASED $\rightarrow$ $\hat{y}[4]=$	$x_0[4]$	$x_1[4]$	$x_2[4]$	$x_0[3] \oplus x_1[2] \oplus x_2[1]$
DECODE $x_0[4]$ HERE $\rightarrow$ $\hat{y}[5]=$	$x_0[5]$	$x_1[5]$	$x_2[5]$	$x_0[4] \oplus x_1[3] \oplus x_2[2]$
DECODE $x_1[4]$ HERE $\rightarrow$ $\hat{y}[6]=$	$x_0[6]$	$x_1[6]$	$x_2[6]$	$x_0[5] \oplus x_1[4] \oplus x_2[3]$
DECODE $x_2[4]$ HERE $\rightarrow$ $\hat{y}[7]=$	$x_0[7]$	$x_1[7]$	$x_2[7]$	$x_0[6] \oplus x_1[5] \oplus x_2[4]$

FIG. 5

$\hat{y}[0]=$	$x_0[0]$	$x_1[0]$	$x_2[0]$	0
$\hat{y}[1]=$	$x_0[1]$	$x_1[1]$	$x_2[1]$	0
$\hat{y}[2]=$	$x_0[2]$	$x_1[2]$	$x_2[2]$	$x_0[0]$
$\hat{y}[3]=$	$x_0[3]$	$x_1[3]$	$x_2[3]$	$x_0[1]$
$\hat{y}[4]=$	$x_0[4]$	$x_1[4]$	$x_2[4]$	$x_0[2] \oplus x_1[0]$
$\hat{y}[5]=$	$x_0[5]$	$x_1[5]$	$x_2[5]$	$x_0[3] \oplus x_1[1]$
SYMBOL ERASED $\rightarrow$ $\hat{y}[6]=$	$x_0[6]$	$x_1[6]$	$x_2[6]$	$x_0[4] \oplus x_1[2] \oplus x_2[0]$
SYMBOL ERASED $\rightarrow$ $\hat{y}[7]=$	$x_0[7]$	$x_1[7]$	$x_2[7]$	$x_0[5] \oplus x_1[3] \oplus x_2[1]$
RECOVER $x_0[6]$ HERE $\rightarrow$ $\hat{y}[8]=$	$x_0[8]$	$x_1[8]$	$x_2[8]$	$x_0[6] \oplus x_1[4] \oplus x_2[2]$
RECOVER $x_0[7]$ HERE $\rightarrow$ $\hat{y}[9]=$	$x_0[9]$	$x_1[9]$	$x_2[9]$	$x_0[7] \oplus x_1[5] \oplus x_2[3]$
RECOVER $x_1[6]$ HERE $\rightarrow$ $\hat{y}[10]=$	$x_0[10]$	$x_1[10]$	$x_2[10]$	$x_0[8] \oplus x_1[6] \oplus x_2[4]$
RECOVER $x_1[7]$ HERE $\rightarrow$ $\hat{y}[11]=$	$x_0[11]$	$x_1[11]$	$x_2[11]$	$x_0[9] \oplus x_1[7] \oplus x_2[5]$
RECOVER $x_2[6]$ HERE $\rightarrow$ $\hat{y}[12]=$	$x_0[12]$	$x_1[12]$	$x_2[12]$	$x_0[10] \oplus x_1[8] \oplus x_2[6]$
RECOVER $x_2[7]$ HERE $\rightarrow$ $\hat{y}[13]=$	$x_0[13]$	$x_1[13]$	$x_2[13]$	$x_0[11] \oplus x_1[9] \oplus x_2[7]$

**FIG. 6**

	$\tilde{y}[0]=$	$x_0[0]$	$x_1[0]$	$x_2[0]$	0
	$\tilde{y}[1]=$	$x_0[1]$	$x_1[1]$	$x_2[1]$	$P\{x_0[0], 0, 0, 0\}$
	$\tilde{y}[2]=$	$x_0[2]$	$x_1[2]$	$x_2[2]$	$P\{x_0[1], x_0[0], 0, 0\}$
SYMBOL ERASED $\rightarrow$	$\tilde{y}[3]=$	$x_0[3]$	$x_1[3]$	$x_2[3]$	$P\{x_0[2], x_0[1], x_1[0], x_2[0]\}$
SYMBOL ERASED $\rightarrow$	$\tilde{y}[4]=$	$x_0[4]$	$x_1[4]$	$x_2[4]$	$P\{x_0[3], x_0[2], x_1[1], x_2[1]\}$
RECOVER $x_0[3], x_0[4]$ HERE $\rightarrow$	$\tilde{y}[5]=$	$x_0[5]$	$x_1[5]$	$x_2[5]$	$P\{x_0[4], x_0[3], x_1[2], x_2[2]\}$
RECOVER $x_1[3], x_2[3]$ HERE $\rightarrow$	$\tilde{y}[6]=$	$x_0[6]$	$x_1[6]$	$x_2[6]$	$P\{x_0[5], x_0[4], x_1[3], x_2[3]\}$
RECOVER $x_1[4], x_2[4]$ HERE $\rightarrow$	$\tilde{y}[7]=$	$x_0[7]$	$x_1[7]$	$x_2[7]$	$P\{x_0[6], x_0[5], x_1[4], x_2[4]\}$

**FIG. 7**

$\tilde{y}[i]=$	$x[i]$	$x[i-3] \oplus x[i-4] \oplus x[i-5]$
$\tilde{y}[i+1]=$	$x[i+1]$	$x[i-2] \oplus x[i-3] \oplus x[i-4]$
$\tilde{y}[i+2]=$	$x[i+2]$	$x[i-1] \oplus x[i-2] \oplus x[i-3]$
$\tilde{y}[i+3]=$	$x[i+3]$	$x[i] \oplus x[i-1] \oplus x[i-2]$
$\tilde{y}[i+4]=$	$x[i+4]$	$x[i+1] \oplus x[i] \oplus x[i-1]$
$\tilde{y}[i+5]=$	$x[i+5]$	$x[i+2] \oplus x[i+1] \oplus x[i]$
$\tilde{y}[i+6]=$	$x[i+6]$	$x[i+3] \oplus x[i+2] \oplus x[i+1]$
$\tilde{y}[i+7]=$	$x[i+7]$	$x[i+4] \oplus x[i+3] \oplus x[i+2]$

**FIG. 8**

$$\begin{aligned}
 x[i-1] &= y_0[i-1] \\
 x[i] &= y_0[i] \\
 x[i+1] &= y_1[i+4] \oplus x[i] \oplus x[i-1] \\
 x[i+2] &= y_1[i+5] \oplus x[i+1] \oplus x[i] \\
 x[i+3] &= y_1[i+6] \oplus x[i+2] \oplus x[i+1]
 \end{aligned}$$

FIG. 9

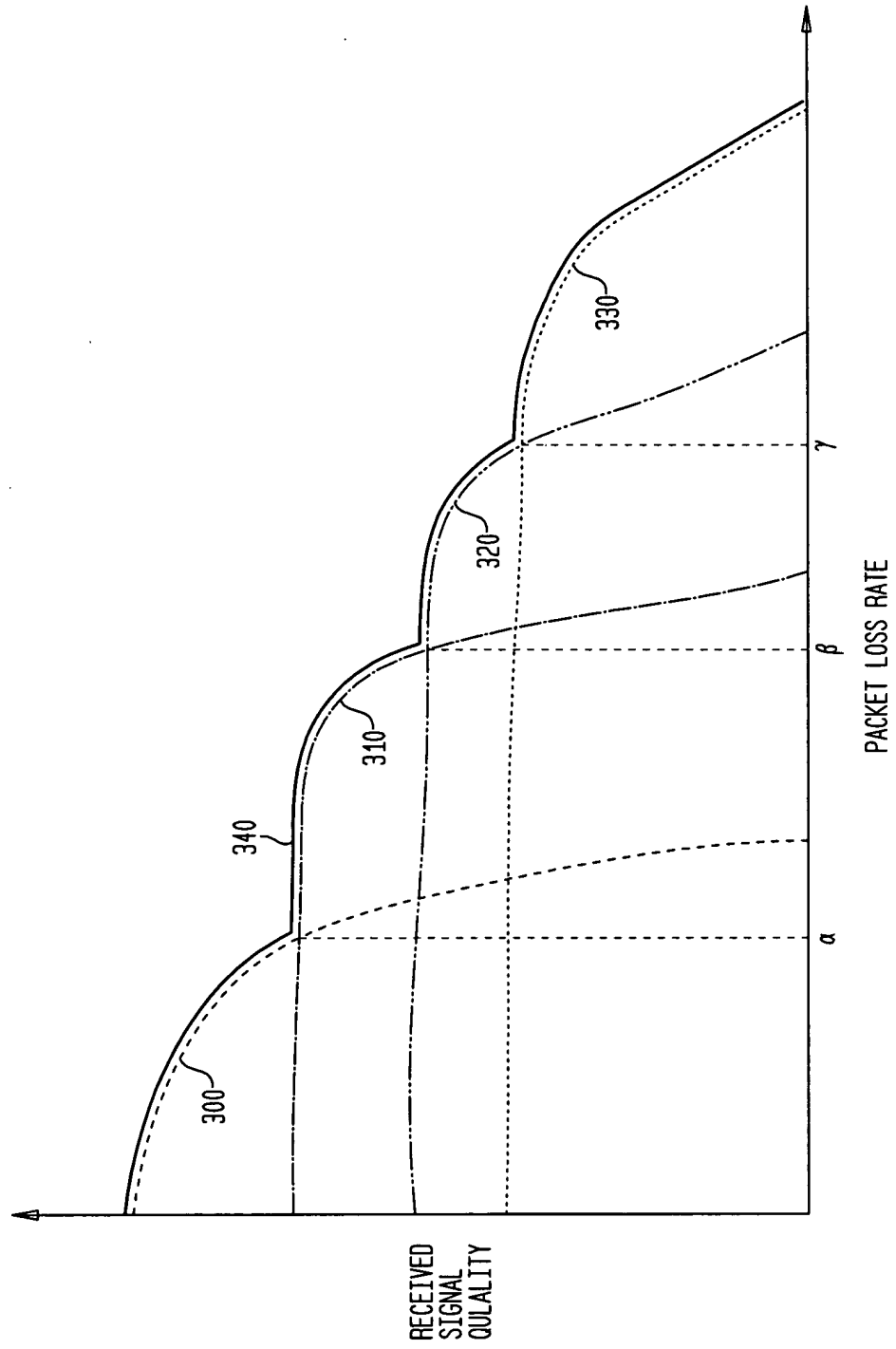


FIG. 10

